

Title (en)
JACKHAMMER WITH A LIFT ASSIST

Title (de)
PRESSLUFTHAMMER MIT HEBEHILFE

Title (fr)
MARTEAU-PIQUEUR EQUIPE D'UN MECANISME D'AIDE AU SOULEVEMENT

Publication
EP 1999336 A4 20120620 (EN)

Application
EP 07753215 A 20070315

Priority
• US 2007006570 W 20070315
• US 78265506 P 20060315

Abstract (en)
[origin: WO2007106574A2] The present invention relates to an integrated percussion power tool which contains a percussion mechanism and a lift assist mechanism to reduce the physical demands for its operation by facilitating the lifting and extracting of the percussion power tool. In general, the integrated percussion power tool is a T-shaped machine which has a vertical cylindrical body with two handles, two hand control levers cross the top, and a working tool and a lifting foot on the bottom for engaging with a working surface. The first hand lever is for controlling the operation of the percussion mechanism, whereas the second hand lever is for manipulating the operation of the lift assist mechanism. The percussion mechanism and the lift assist mechanism are both housed in the vertical cylindrical body of the integrated percussion power tool.

IPC 8 full level
B25D 17/30 (2006.01); **B25D 9/04** (2006.01); **B25D 17/32** (2006.01)

CPC (source: EP US)
B25D 9/04 (2013.01 - EP US); **B25D 17/30** (2013.01 - EP US); **B25D 17/32** (2013.01 - EP US)

Citation (search report)
• [XYI] GB 941548 A 19631113 - EAST MIDLANDS GAS BOARD, et al
• [Y] GB 1533745 A 19781129 - ANDERSSON R
• See references of WO 2007106574A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007106574 A2 20070920; WO 2007106574 A3 20090430; AU 2007225033 A1 20070920; AU 2007225033 B2 20120712; AU 2007225033 B8 20121206; CA 2680730 A1 20070920; CA 2680730 C 20140527; EP 1999336 A2 20081210; EP 1999336 A4 20120620; EP 1999336 B1 20140423; ES 2477340 T3 20140716; JP 2009533228 A 20090917; JP 2013126713 A 20130627; US 2007240890 A1 20071018; US 7694749 B2 20100413

DOCDB simple family (application)
US 2007006570 W 20070315; AU 2007225033 A 20070315; CA 2680730 A 20070315; EP 07753215 A 20070315; ES 07753215 T 20070315; JP 2009500492 A 20070315; JP 2013053324 A 20130315; US 72454607 A 20070315